

## Product datasheet for **MC217067**

### **Tor1aip2 (NM\_172843) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tor1aip2 (NM_172843) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tor1aip2
Synonyms:	15kDa; 1110020D10Rik; A130072J07; AA103493; AW060462; AW610675; C77739; Ifrg15; Lull1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217067 representing NM\_172843  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCCCAAAGTCTGAAGAGCCAGAACAACATGAGCGACAGTGGCTGCAGGGATCCTGTGGGAGACT  
 CACAAAATGTTTTGGAAAATGATCCATCAATAAACTCTCAAACACAGGACACCAGAGTCACACCGAATAA  
 CACTGCAGAAGCCAGCCCTACAGCCACATCTGATCTTAAAGAAGACCACCATGAAATAGGGGCCAGA  
 GCTCAGGAGCATAACAGACACAGGTGACAGGTGAGAAAAGTCCAGAGGAACCAGCGTTAGAGAACTCCAC  
 TGGATAAAGCAGAGCTGGAGAGCAGCCGAGTTCTCAGGACACAGAGCTCGGGCATCACCCCACTCAGA  
 ACATGGGGCGGAGACGCCCTAGATCTGGATCCTAACTGCTCTCAAAGCGACTTGGGAGGAAGAGCAGAT  
 GCACACCTGGAGAGCAGCTCTGTAGCGTCCCAGAGGGAGCAGGTGACAGGGGTGAAGCTGATGAGCACC  
 TGGAGAGCAGCTCTGCAGCCCCACAGAGGGGGCAGGTGACAGGGGTGAAGCTGGTCAGGAACTGCTTGC  
 TGAAGACTCTACCGATGGCCAGAGTCTGGGCCATTCCAACACAGGTCCAGGGAACCAGGATTCAGTGAGG  
 AGACGACTGCCTGTGCCGAGGCTGGAAGTCATGAAGAGGAGACAGAGTTGGTGAAGGAAAAGCAAGAGG  
 TTGCACAGGATACATTGAGAAAGACTGATAAAAAGAGTCTCTGGACCTATGGTCCGTGTTTCTCGGCTG  
 CCTGATCGTGGCTGTTGTGCTAAGCTCCGTCAACAGCTACTATTCTTCCCAGCCAGCAGGTGCCCCAG  
 AACCCGGCTTTGGAGGCCCTTCTGGCTCAGTTTGGCCAAGTGAAGGAGAAATTTCCAGGTGAGATTCTCT  
 TCCTGTGGCAGCGAGGACGTAAGTTTCTCCAGAAGCACCTCAATGCCTCGAACCCAGTGAGCCGGCCAC  
 CATCATCTTACAGCTGCTCGAGAGGGCAAGGAGACCCCTCAAGTGCCTGAGCTACCATGTTGCCAACGCC  
 TACACCTCTTCCAGAAGGTGACTGCCGTCTCCATAGACGGAGCCGAAAGGGCCCTGCAGGACAGTGACA  
 CAGTCAAGCTGCTGGTTGACTTGGAGCTTAGCGATGGGTTTGAAGATGGCCACAAGGCTGCTGTGGTCCA  
 CCACTTCGAATCCCTTCTGCCGGCTCCACCCTGATCTTCTACAAGTACTGTGACCATGAGAACGCCGCC  
 TTTAAAGATGTGGCACTTGTCTGACAGTCTGCTGGAGGAGGAAACGTTAGAAGCAAGTGAAGCCCCA  
 GGGAAATAGAAGAAAAGGTGAGGGATTTACTCTGGGCTAAGTTCACCAACTCTGAGAGCCCCACCTCCTA  
 CAGCCACATGGACTCAGACAAACTGAGTGGGCTCTGGAGCCGCATCTCCACCTGGTGTGCCCGTCCAG  
 CCCGTGAGGAACATAGAAGAGCGAGGCTGCCTTTT**GTA**

**ACGGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_172843
- Insert Size:** 1509 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_172843.4](#), [NP\\_766431.3](#)

**RefSeq Size:** 5857 bp

**RefSeq ORF:** 1509 bp

**Locus ID:** 240832

**UniProt ID:** [Q8BYU6](#)

**Cytogenetics:** 1 G3

**Gene Summary:** Required for endoplasmic reticulum integrity. Regulates the distribution of TOR1A between the endoplasmic reticulum and the nuclear envelope as well as induces TOR1A, TOR1B and TOR3A ATPase activity (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (5) represents the longest transcript and encodes the longer isoform b (torsin-1A-interacting protein 2), compared to isoform a. Variants 5, 6, and 7 encode the same isoform (b). Sequence Note: The RefSeq transcript and protein were derived from transcript and genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.